

## **Basin approach to evaluation of human impact on the environment in oil production regions**

Yermolaev O., Usmanov B., Mishanina O., Khisamutdinova E.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### **Abstract**

The article demonstrates efficiency of basin approach to environmental area assessment based on Tatneft's experience. Basin approach when used in combination with 3D geo-information analysis techniques enables to evaluate human impact on the environment, extent of landscape disturbance as well as impact of particular industries.

---

### **Keywords**

3D analysis, Basin approach, Environment, Geo-information systems, Human impact, Integral assessment, Use of natural resources